

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY

OR

OTHER THAN SMALL ENTITY

FOR	NUMBER FEE	NUMBER EXTRA
BASIC FEE (37 CFR 1.10(c))		
TOTAL CLAIMS (37 CFR 1.10(c))	minus 20 *	
INDEPENDENT CLAIMS (37 CFR 1.10(b))	minus 3 *	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		

* If the difference in column 1 is less than zero, enter "0" in column 2

RATE	FEE
	\$ 1,000
X \$ 1,000 *	
X \$ 1,000 *	
X \$ 1,000 *	
TOTAL	

OR
OR
OR
OR
OR

RATE	FEE
	\$ 1,000
X \$ 1,000 *	
X \$ 1,000 *	
X \$ 1,000 *	
TOTAL	

CLAIMS AS AMENDED - PART II

6-13-06

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))	16	minus 20	
Independent (37 CFR 1.16(b))	2	minus 3	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))			

SMALL ENTITY

OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X \$ 25 *	
X \$ 100 *	
X \$ 100 *	
TOTAL ADD'L FEE	

OR
OR
OR
OR

RATE	ADDITIONAL FEE
X \$ 50 *	
X \$ 200 *	
X \$ 200 *	
TOTAL ADD'L FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))		minus	
Independent (37 CFR 1.16(b))		minus	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))			

RATE	ADDITIONAL FEE
X \$ *	
X \$ *	
X \$ *	
TOTAL ADD'L FEE	

OR
OR
OR
OR

RATE	ADDITIONAL FEE
X \$ *	
X \$ *	
X \$ *	
TOTAL ADD'L FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(c))		minus	
Independent (37 CFR 1.16(b))		minus	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))			

RATE	ADDITIONAL FEE
X \$ *	
X \$ *	
X \$ *	
TOTAL ADD'L FEE	

OR
OR
OR
OR

RATE	ADDITIONAL FEE
X \$ *	
X \$ *	
X \$ *	
TOTAL ADD'L FEE	

- * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit in the patent which is to file (and in the USPTO to process) an application. Confidentiality is required by 35 USC 42 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 7.

PATENT APPLICATION FEE DETERMINATION FORM

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-678

Application of Patent Number

APPLICATION AS FILED - PART I

(Continued)

Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.601 (d) - (e))		
SEARCH FEE (37 CFR 1.601 (f) - (g))		
EXAMINATION FEE (37 CFR 1.601 (h) - (i))		
TOTAL CLAIMS (37 CFR 1.602)	minus 20 =	
INDEPENDENT CLAIMS (37 CFR 1.603)	minus 3 =	
APPLICATION SIZE FEE (37 CFR 1.604)	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.604.	

MULTIPLE DEPENDENT CLAIM PRESENT (17 CFR 1.100)

* If the difference in column 1 is less than zero, enter "V" in column 2.

APPLICATION AS AMENDED - PART II

(Column 1)

(Column 2)

• (Column 2)

AMENDMENT A		(Column 1)	(Column 2)	(Column 3)
	11/9/05	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.166)		16	Misses 34	2
Independent (37 CFR 1.166)		2	Misses 4	✓
Application Size Fee (37 CFR 1.166(a))				
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM. (37 CFR 1.166)				

FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM. (37.CFR 1.146D)

SMALL ENTITY

OF

**OTHER THAN
SMALL ENTITY**

RATE (\$)	FEE (\$)
X	=
X	=
TOTAL	

OR

RATE (¢)	FEE (¢)
X	=
X	=
TOTAL	

TOTAL

AMENDMENT A

15

MEMORANDUM

18, 36

AMENDMENT #	(Column 1)		(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
3	24	06		
	Total (37 CFR 1.199d)	16	Minus	09
	Independent (37 CFR 1.199b)	3	Minus	4
Application Size Fee (37 CFR 1.16(e))				
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))				

FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.103)

SMALL ENTITY

OF

**OTHER THAN
SMALL ENTITY**

RATE (\$)	ADDITIONAL FEE (\$)
25	/
x 100	
4180	
TOTAL ADDL FEE	

ADD'L FEES

OR

SMALL ENTITY	
RATE (\$)	ADDITIONAL FEE (\$)
x 50 =	
x 200 =	
x 360	
TOTAL ADD'L FEE	

**TOTAL
ADDN. FEE**

ADD

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (total or independent) is the highest number

2. The request number (Previously Paid For) (Total or Independent) is the highest number found in the appropriate box in column 1.
This collection of information is required by 35 CFR 1.18. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and other suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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